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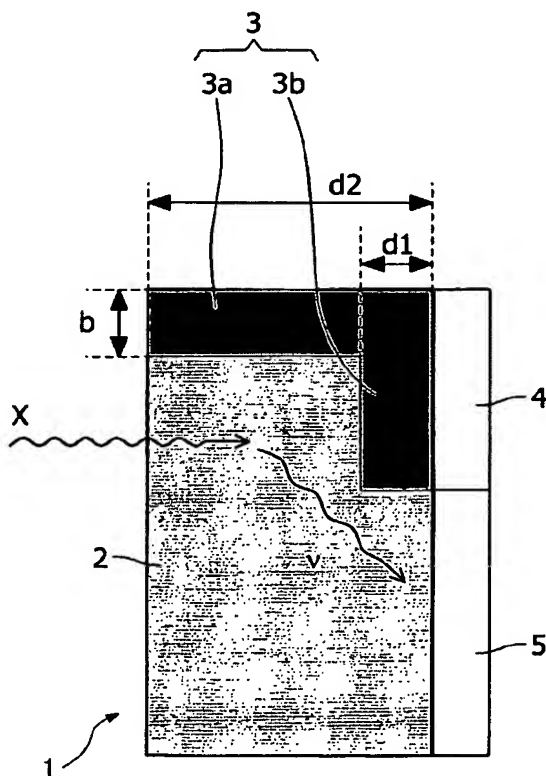
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(54) Title: SHIELDING FOR AN X-RAY DETECTOR



(57) Abstract: The invention relates to an X-ray detec-  
tor with detector elements (1) arranged in a layer. The de-  
tector elements (1) contain a scintillator element (2) for  
the conversion of X-rays (X) into photons (v), a photodi-  
ode (5) for detection of the photons (v), and a processing  
circuit (4) for the processing of electric signals gener-  
ated by the photodiode (5). In order to protect the elec-  
tronics (4) from X-rays a shielding (3) of variable effec-  
tive thickness (d1, d2) is disposed in front of the elec-  
tronics (4). This shielding (3) can in particular be L-shaped. By  
reduction of the effective thickness of the shielding (3) to  
a necessary minimum the volume of the scintillator unit  
(2) can be maximized.

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